Highlights of Heart Progress—1961

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Dietary Sources

Much of the evidence linking dietary fat to atherosclerosis in humans has been derived from epidemiological studies. Such studies have shown that populations consuming diets high in fat, especially fat of animal origin, have a high incidence of atherosclerosis and a relatively young average age of the dietary factors under study. In this way, it is hoped, the specific dietary factor or factors responsible for the mortality difference can be effectively isolated from the many other factors which differ in the high and low mortality areas.

Such studies have accumulated enough impressive evidence against cholesterol and saturated fats to make them suspect as dietary factors in atherosclerosis and coronary heart disease. Experimental studies in animals have accumulated to suggest that unsaturated fats, especially such polyunsaturated fatty acids as linoleic and linolenic, may be the most effective cholesterol-lowers, and it has been postulated that they may confer some measure of protection against atherosclerosis.

Sunflower seeds and Safflower seeds are rich in polyunsaturated fatty acids and which investigators have found to be the most effective cholesterol-lowering agents. Corn oil is also rich in polyunsaturated fatty acids and is the least in fat in the diet and mortality from coronary heart disease.

Fish liver oils contain polyunsaturated fatty acids and have been found useful in reducing the cholesterol and triglyceride levels in certain hyperlipemic patients.

Soybean oil, which is rich in polyunsaturated fatty acids, has been found to be a useful cholesterol-lowering agent in the diet of the atherosclerotic.

Safflower seed oil, which is rich in polyunsaturated fatty acids, has been found to be effective in reducing the cholesterol level in the blood of the atherosclerotic.

Sunflower seed oil, which is rich in polyunsaturated fatty acids, has been found to be effective in reducing the cholesterol level in the blood